Index to Volume 59 (1994)

	Issue	Page
Acoustic-wave propagation in thin-layered media with steep reflectors, H.L. Deng	10	1593
Aeromagnetic annomalies and prospective oil traps in China, Y.-X. Zhang	10	1492
Aina, A., Simple derivation of Cordell's stripping filter (Short Note)	3	488
Aldridge, D.F., Linearization of the eikonal equation (Short Note)	10	1631
Alkhalifah, T., Migration error in transversely isotropic media	9	1405
Akbar, N., Seismic signatures of reservoir transport properties and pore fluid distributions	8	1222
al Hagrey, S.A., Electric study of fracture anisotropy at Falkenberg, Germany	6	881
Ambiguity analysis of well-log data, A.B. Buoro and J.B.C. Silva	3	336
Amundsen, L., Estimation of phase velocities and *Q*-factors from zero-offset vertical seismic profile data	4	500
Amundsen, L., Transformation from 2-D to 3-D wave propagation for horizontally layered media (Short Note)	12	1920
Amundsen, L., see Landro, M.	8	1261
Amundsen, L., see Zhao, H.	12	1868
Amundsen, L., Propagator matrix related to the Kirchhoff-Helmholtz integral in inverse wavefield extrapolation	12	1902
Anand Babu, see Mohan, N.L. (Short Note)	7	1150
Anderson, W.L., see Stewart, D.C.	8	1201
Andrieux, P., see Guerin, R.	11	1695
Anisotropic effective-medium modeling of the elastic properties of shales, B.E. Hornby, L.M. Schwartz, and J.A. Hudson	10	1570
Anisotropy induction logging, A.G. Nekut	3	345
Annan, A.P., see Brewster, M.L.	8	1211
Announcements		
1 172 5 860 9 1466		
2 332 6 1025 10 1639		
3 496 7 1179 11 1793		
4 690 8 1317 12 1932		
Application of map migration to 2-D migrated data, D.N. Whitcombe and R.J. Carroll	7	1121
Application of TEM to Cyprus-type massive sulfide exploration in Cyprus, N.J. Cooper and R. Swift	2	202
Application of 3-D depth migration to the development of an Alaskan offshore oil field, D.N. Whitcombe, E.H. Murray, Jr., L.A. St. Aubin, and R.J. Carroll	10	1551
Applications of seismic polarization analysis, A.I. Perelberg and S.C. Hornbostel	1	119
Approximate polarization of plane waves in a medium having weak transverse isotrophy, B.E. Rommel	10	1605
Artley, C., Dip-moveout processing for depth-variable velocity	4	610
Astin, T.R., see Peacock, S.	9	1342
Automated source-edge location with a new variable pass-band, horizontal-gradient operator, J.B. Thurston and R.J. Brown	4	546
Automatic technique for presentation of coincident-loop, impulse-response, transient, electromagnetic data, R.S. Smith, R.N. Edwards, and G. Buselli	10	1542
AVO in transversely isotropic media–An overview, J.P. Blangy	5	775
AVO modeling and the locally converted shear wave, J.L. Simmons, Jr. and M.M. Backus	8	1237
Backus, M.M., see Simmons, J.L. Jr.	8	1237
Barbosa, V.C.F., Generalized compact gravity inversion	1	57
Beale, P.L., see Ross, C.P.	1	93
Bellanger, M., see Remy, J.-M.	2	245
Beresford, G., see Duncan, G.	1	140
Beresnev, I. A., Elastic-wave simultation of oil production: A review of methods and results	6	1000
Berg, E., see Landro, M.	8	1261
Berkhout, A.J., see Rietveld, W.E.A.	5	801
Berni, A.J., Remote sensing of seismic vibrations by laser Doppler interferometry	12	1856
Beydoun, W.B., see Tura, M.A.C.	3	351
Bishop, T.N., Correcting amplitude, time, and phase mis-ties in seismic data	6	946
Black, J.L., Systematics of time-migration errors	9	1419
Black, R.A., Migration of shallow seismic reflection data	3	402
Blanch, J.O., see Robertsson, J.O.A.	9	1444
Blangy, J.P., AVO in transversely isotropic media—An overview	5	775

	Issue	Page
Block, L.V., Seismic imaging using microearthquakes induced by hydraulic fracturing	1	102
Blonk, B., Inverse scattering of surface waves: A new look at surface consistency	6	963
Boerner, D.E., see Qian, W.	11	1680
Borehole dc resistivity response for a transitional invaded zone, K.K. Roy and D.J. Dutta	12	1796
Borehole flexural modes in anisotropic formations, B.K. Sinha, A.N. Norris, and S.-K. Chang	7	1037
Borehole transmission tomography for velocity plus statics, L.J. Squires, P.L. Stoffa, and G. Cambois	7	1028
Boulfoul, M., Separation and enhancement of split *S*-waves on multicomponent shot records from the BIRPS WISPA experiment	1	131
Bracalari, M., On a nonlinear autoregressive method applied to geophysical signals	8	1270
Boundary element modeling of nondissipative and dissipative waves, G. Chen and H.-W. Zhou	1	113
Branch, J.F., see Saunders, D.F.	3	411
Brewster, M.L., Ground-penetrating radar monitoring of a controlled DNAPL release: 200 MHz radar	8	1211
Brook, R.A., see Landrum, R.A.	2	315
Brown, R.J., see Thurston, J.B.	4	546
Bruno, M.S., Some influences of stratigraphy and structure on reservoir stress orientation	6	954
Buselli, G., see Smith, R.S.	10	1542
Brzostowski, M.A., see Black, J.L.	9	1419
Buoro, A.B., Ambiguity analysis of well-log data	3	336

Calendar

1	174	5	862	9	1467
2	334	6	1026	10	1640
3	498	7	1180	11	1794
4	692	8	1318	12	1934

Cambois, G., see Squires, L.J.	7	1028
Canitez, N., see Saatcilar, R.	4	623
Cao, S., Finite-difference solution of the eikonal equation using an efficient, first-arrival wavefront tracking scheme	4	632
Carcione, J.M., Wave equation in generalized coordinates	12	1911
Carcione, J.M., Wavefronts in dissipative anisotropic media	4	644
Carroll, R.J., see Whitcombe, D.N.	7	1121
Carroll, R.J., see Whitcombe, D.N.	10	1551
Case study of integrated hydrocarbon exploration through basalt, R. Withers, D. Eggers, T. Fox, and T. Crebs	11	1666
Castagna, J.P., see Pan, G.-S.	9	1392
Castagna, J.P., Comparison of AVO indicators: A modeling study	12	1849
Castle, R.J., Theory of normal moveout	6	983
Catchings, R.D., see Jarchow, C.M.	2	259
Catchings, R.D., see Lutter, W.J.	8	1278
Cates, M.E., see, Spencer, J.W., Jr.	9	1352
Chang, C.H., Physical model of shear-wave propagation in a transversely isotropic solid (Short Note)	3	484
Chang, S.-K., see Sinha, B.K.	7	1037
Chang, W.-F., 3-D elastic prestack, reverse-time depth migration	4	597
Characterization of resolution and uniqueness in crosswell direct arrival traveltime tomography using the Fourier projection slice theorem, J.W. Rector III and J. Washbourne	11	1642
Chen, G., Boundary element modeling of nondissipative and dissipative waves	1	113
Cheng, C.H., see, Block, L.V.	1	102
Christensen, N.B., see Sorensen, K.I.	6	864
Coates, R.T., see Kurkjian, A.L.	7	1053
Cominguez, A.H., see Sacchi, M.D.	6	938
Comparison of AVO indicators: A modeling study, J.P. Castagna and S.W. Smith	12	1849
Comparison of *P*- and *S*-wave velocities and *Q*'s from VSP and sonic log data, G.S. De, D.F. Winterstein, and M.A. Meadows	10	1512
Constant *Q* attenuation of subsurface radar pulses, G. Turner and A.F. Siggins	8	1192

Contributors

1	169	5	857	9	1463
2	329	6	1022	10	1636
3	494	7	1176	11	1790
4	688	8	1315	12	1930

Cooper, N.J., Application of TEM to Cyprus-type massive sulfide exploration in Cyprus	2	202
Cordell, L., Potential-field sounding using Euler's homogeneity equation and Zidarov bubbling	6	902
Correcting amplitude, time, and phase mis-ties in seismic data, T.N. Bishop and A.G. Nunns	6	946
Crampin, S., see MacBeth, C.	2	176
Crebs, T., see Withers, R.	11	1666
Crosswell seismic reflection/diffraction tomography: A reservoir characterization application, M.A.C. Tura, R.J. Greaves, and W.B. Beydoun	3	351
Dai, N., see Phadke, S.	4	591
De, G.S., Comparison of *P*- and *S*-wave velocities and *Q*'s from VSP and sonic log data	10	1512
de Bazelaire, E., see Thore, P.D.	2	297
de Miranda, F.P., Renaissance geologic mapping of a portion of the rain-forest-covered Guiana Shield, Northwestern Brazil, using SIR-B and digital aeromagnetic data	5	733
Dellinger, J., Do traveltimes in pulse-transmission experiments yield anisotropic group or phase velocities? (Short Note)	11	1774
Deng, H.L., Acoustic-wave propagation in thin-layered media with steep reflectors	10	1593
Depth-imaging resolution of 3-D seismic recording patterns, D. von Seggern	4	564
Detection of gas in sandstone reservoirs using AVO analysis: A 3-D seismic case history using the		

	Issue	Page
Geostack technique, J.L. Fatti, P.J. Vail, G.C. Smith, P.J. Strauss, and P.R. Levitt	9	1362
Dickens, T.A., Diffraction tomography for crosswell imaging of nearly layered media	5	694
Diffraction tomography for crosswell imaging of nearly layered media, T.A. Dickens	5	694
Digital field tape format standards—SEG-D, Revision 1 (Special Report),SEG Subcommittee on Field Tape Standards	4	668
Dip-moveout processing for depth-variable velocity, C. Artley and D. Hale	4	610
Discrete plane-wave decomposition by least-mean-square-error method, O. Yilmaz and M.T. Taner	6	973
Discussions on:		
"Advantages of using the vertical gradient of gravity for 3-D interpretation," I. Marson and E.E. Klingele (November 1993, p. 1588–1595) by Craig Ferris with reply by authors and response by Craig Ferris to the authors	11	1786
"An integrated surface and borehole seismic case study: Fort St. John Graben area, Alberta, Canada," R.C. Hinds, R. Kuzminski, N.L. Anderson, and B.R. Richards (November 1993, p. 1662–1675), by M.M. Roksandic with reply by the authors	7	1171
"Computing the Fourier transform in geophysics with the transform decomposition DFT," M.J. Reed, H.V. Nguyen, and R.E. Chambers (November 1993, p. 1701–1709), by E. Lichman with reply by the authors	8	1308
"Electrical field in a borehole with a casing," A.A. Kaufman (January 1990, p. 29–38), by J.R. Wait	5	850
"Sensitivity of reflected and transmitted seismic data," R. Mittet and T. Houlder (November 1993, p. 1621–1628), by A. Tarantola with reply by the authors	9	1457
"Straight-slope method for basement depth determination revisited," J.R. Skilbrei (April 1993, p. 593–595), by N.C. Steenland with reply by the authors.	5	851
"Transmission line model for electrical logging through casing," A.A. Kaufman and W.E. Wightman (December 1993, p.1739–1747), by J.R. Wait	5	850
Djabbarah, N.F., see Sprunt, E.A.	5	707
Do traveltimes in pulse-transmission experiments yield anisotropic group or phase velocities? (Short Note), J. Dellinger and L. Vernik	11	1774
Duncan, G., Slowness adaptive *f-k* filtering of prestack seismic data	1	140
Dutta, D.J., see Roy, K.K.	12	1796
Dvorkin, J., Squirt-flow mechanism: Macroscopic description	3	428
Dvorkin, J., see Akbar, N	8	1222
Edson, R., see Hardage, B.A.	11	1650
Edwards, R.N., see Smith, R.S.	10	1542
Eggers, D., Withers, R.	11	1666
Elastic constants of transversely isotropic media from constrained aperture traveltimes, R.J. Michelena	4	658
Elastic-wave simulation of oil production: A review of methods and results, I.A. Beresnev and P.A. Johnson	6	1000
Electric study of fracture anisotropy at Falkenberg, Germany, S.A. al Hagrey	6	881
Electrical efficiency: A pore geometric theory for interpretation of the electrical properties of reservoir rocks, D.C. Herrick and W.D. Kennedy	6	918
Electrical resistivity measurement through metal casing, C.J. Schenkel and H.F. Morrison	7	1072
Electrode arrays for measuring groundwater flow direction and velocity, P.A. White	2	192
Electromagnetic ray-trace tomography, A.G. Nekut	3	371
Electromagnetic response of a discretely grounded circuit: An integral equation solution, W. Qian and D.E. Boerner	11	1680
Eppelbaum, L.V., see Khesin, B.E.	5	744
Equivalent data concept applied to the interpolation of potential-field data, C.A. Mendonça and J.B.C. Silva	5	722
Errata to:		
"A physical model of shear-wave propagation in transversely isotropic solid," by Chih-Hsiung Chang, G.H.F. Gardner, and John McDonald (March 1994, p. 484–487)	8	1311
"Contributors to this issue," (August 1994)	9	1465
"Correcting amplitude, time, and phase mis-ties in seismic data," by Thomas N. Bishop and Alan G. Nunns (June 1994, p. 946–953)	8	1311
"DMO velocity analysis with Jacubowicz's dip-decomposition method," by David Kessler and Wai-Kin Chan (January 1993, p. 1517–1524)	1	167
"Electrode arrays for measuring groundwater flow direction and velocity" (February 1993, 192–201)	7	1172
"Porosity, permeability, shear strength: Crosswell tomography below an iron foundry (October 1994, p. 1530)	12	1931
Review of "A Continent Revealed: The European Geotraverse" (September 1993, p. 1389)	1	167
Estimating seismic velocities at ultrasonic frequencies in partially saturated rocks, G. Mavko and R. Nolen-Hoeksema	2	252
Estimation of phase velocities and *Q*-factors from zero-offset vertical seismic profile data, L. Amundsen and R. Mittet	4	500
Evans, B.J., see Hatherly, P.J.	1	156
Experimental investigation of factors influencing		

	Issue	Page
compressional- and shear-wave velocities and attenuations in tight gas sandstones, A.N. Tutuncu, A.L. Podio, and M.M. Sharma	1	77
Experimental measurements of seismic attenuation in microfractured sedimentary rock, S. Peacock, C. McCann, J. Sothcott, and T.R. Astin	9	1342
Factor analysis of ambiguity in geophysics, S.G.C. Fraiha and J.B.C. Silva	7	1083
Faria, E.L., Traveltime computation in transversely isotropic media	2	272
Faria, E.L., Finite-difference modeling in transversely isotropic media	2	282
Fast model building using demigration and single-step ray migration, D.N. Whitcombe	3	439
Fatti, J.L., Detection of gas in sandstone reservoirs using AVO analysis: A 3-D seismic case history using the Geostack technique	9	1362
Fehler. M.C., see, Block, L.V.	1	102
Field and/or resistivity mapping in MT-VLF and implications for data processing, R. Guerin, A. Tabbagh, and P. Andrieux	11	1695
Field comparison of shallow *P*-wave seismic sources near Houston, Texas, R.D. Miller, S.E. Pullan, D.W. Steeples, J.A. Hunter	11	1713
Fields from a finite electrical dipole—A new computational approach, K.I. Sorensen and N.B. Christensen	6	864
Finite-difference and frequency-wavenumber modeling of seismic monopole sources and receivers in fluid-filled boreholes, A.L. Kurkjian, R.T. Coates, J.E. White, and H. Schmidt	7	1053
Finite-difference modeling in transversely isotropic media, E.L. Faria and P.L. Stoffa	2	282
Finite-difference schemes for elastic waves based on the integration approach, J. Zahradnik, P. O'Leary, and J.S. Sochacki	6	928
Finite-difference solution of the eikonal equation using an efficient, first-arrival wavefront tracking scheme, S. Cao and S.A. Greenhalgh	4	632
Finite differences on minimal grids, S.-A. Magnier, P. Mora, and A. Tarantola	9	1435
Fourier finite-difference migration, D. Ristow and T. Rühl	12	1882
Fox, T., see Withers, R.	11	1666
Fraiha, S.G.C., Factor analysis of ambiguity in geophysics	7	1083
Frame moduli of unconsolidated sands and sandstones, J.W. Spencer, Jr., M.E. Cates, and D.D. Thompson	9	1352
Frequency-wavenumber elastic inversions of marine seismic data, H. Zhao, B. Ursin, and L. Amundsen	12	1868
Ganser, H., Shot gather DMO in the double log domain (Short Note)	8	1305
Garcia-Abdeslem, J., Inversion of the power spectrum from magnetic anomalies	3	391
Gardner, G.H.F., see Chang, C.H.	3	484
Garrouch, A.A., Influence of clay content, salinity, stress, and wettability on the dielectric properties of brine-saturated rocks: 10Hz to 10MHz	6	909
Generalized compact gravity inversion, V.C.F. Barbosa and J.B.C. Silva	1	57
Generalized O'Doherty-Anstey formula for waves in finely layered media, S.A. Shapiro, H. Zien, and P. Hubral	11	1750
Geometrical ray theory: Edge-diffracted rays and their traveltimes (second-order approximation of the traveltimes), J. Sun	1	148
Geophysical and geochemical logs from a copper oxide deposti, Santa Cruz project, Casa Grande, Arizona, P.H. Nelson and D. Johnston	12	1827
Gibson, R.L., Jr., Low- and high-frequency radiation from seismic sources in cased boreholes	11	1780
Gibson, R.L., Jr., Radiation from seismic sources in cased and cemented boreholes	4	518
Gist, G.A., Interpreting laboratory velocity measurements in partially gas-saturated rocks	7	1100
Goldman, M., On the influence of 3-D structures in the interpretation of transient electromagnetic sounding data	6	889
Goodman, D., Ground-penetrating radar simulation in engineering and archaeology	2	224
Goulty, N.R., see Rowbotham, P.S.	7	1065
Gray, S.H., Kirchhoff migration using eikonal equation traveltimes	5	810
Greaves, R.J., see Tura, M.A.C.	3	351
Greenhalgh, S.A., see Cao, S.	4	632
Greenhalgh, S.A., see Zhou, B.	7	1133
Greenhalgh, S.A., see Zhou, B.	9	1377
Green's equivalent-layer concept in gravity band-pass filter design, R.S. Pawlowski	1	69
Ground-penetrating radar monitoring of a controlled DNAPL release: 200 MHz radar, M.L. Brewster and A.P. Annan	8	1211
Ground-penetrating radar simulation in engineering and archaeology, D. Goodman	2	224
Grover, T.P., see Stewart, D.C.	8	1201
Guerin, R., Field and/or resistivity mapping in MT-VLF and implications for data processing	11	1695
Habashy, T.M., see Wu, X.	3	378
Haldorsen, J., Multichannel Weiner deconvolution of vertical seismic profiles	10	1500
Hale, D., see Artley, C.	4	610
Hardage, Bob A., 3-D seismic case history evaluating fluvially deposited thin-bed reservoirs in a gas-producing property	11	1650
Harris, J.M., see Rector, J.W. III	1	27
Harris, P.E., see Kerner, C.	12	1813
Hatherly, P.J., Simple approach to calculating refraction statics corrections (Short Note)	1	156
He, Qiaodeng, see Yan, P.	11	1745
Henstock, T.J., see McBride, J.H. (Short Note)	7	1160
Herman, G.C., see Blonk, B.	6	963

	Issue	Page
Herrick, D.C., Electrical efficiency: A pore geometric theory for interpretation of the electrical properties of reservoir rocks	6	918
Hildebrand, S.T., 1-D seismic inversion of dual wavefield data: Part I, Nonuniqueness and stability	5	782
Hildebrand, S.T., 1-D seismic inversion of dual wavefield data: Part II, A Gulf of Mexico example	5	789
Hobbs, R.W., see McBride, J.H. (Short Note)	7	1160
Homand-Etienne, F., see Remy, J.-M.	2	245
Hornbostel, S.C., see Perelberg, A.I.	1	119
Hornby, B.E., Anisotropic effective-medium modeling of the elastic properties of shales	10	1570
Hubral, P., see Shapiro, S.A.	11	1750
Hubral, P., see Tygel, M.	10	1561
Hudson, J.A., see Hornby, B.E.	10	1570
Hunter, J.A., see Miller, R.D.	11	1713
Hydrocarbon-generation-induced microcracking of source rocks, L. Vernik	4	555
Image of the Columbia Plateau from inversion of high-resolution seismic data, W.J. Lutter, R.D. Catchings, and C.M. Jarchow	8	1278
Imaging of reflection seismic energy for mapping shallow fracture zones in crystalline rocks, J.S. Kim, W.M. Moon, G. Lodha, M. Serzu, and N. Soonawala	5	753
Implementation of the Kirchhoff integral for elastic waves in staggered-grid modeling schemes, R. Mittet	12	1894
Influence of clay content, salinity, stress, and wettability on the dielectric properties of brine-saturated rocks: 10Hz to 10MHz, A.A. Garrouch and M.M. Sharma	6	909
Influence of steel casings on electromagnetic signals, X. Wu and T.M. Habashy	3	378
Instructions to Authors, Editor of GEOPHYSICS	1	2
Integrated target-oriented prestack elastic waveform inversion: Sensitivity, calibration, and application, G.-S. Pan, C.Y. Young, and J.P. Castagna	9	1392
Interpretation of the magnetic anomaly over the Omaha Oil Field, Gallatin County, Illinois, M.A. Sparlin and R.D. Lewis	7	1092
Interpreting data matrix asymmetry in near-offset, shear-wave VSP data, C. MacBeth. X. Zeng, G. Yardley, and S. Crampin	2	176
Interpreting laboratory velocity measurements in partially gas-saturated rocks, G.A. Gist	7	1100
Inverse scattering of surface waves: A new look at surface consistency, B. Blonk and G.C. Herman	6	963
Inversion of induction logs based on maximum flatness, maximum oil, and minimum oil algorithms, Y.-C. Zhang, L.C. Shen, and C. Liu	9	1320
Inversion of induced polarization data, D.W. Oldenburg and Y. Li	9	1327
Inversion of the power spectrum from magnetic anomalies, J. Garcia-Abdeslem and G.E. Ness	3	391
Inversion of wide-angle seismic reflection times with damped least squares, K. Sain and K.L. Kaila	11	1735
Investigating the velocity-depth ambiguity of reflection traveltimes, H.J. Tieman	11	1763
Jarchow, C.M., Large-explosive source, wide-recording aperture, seismic profiling on the Columbia Plateau, Washington	2	259
Jarchow, C.M., see Lutter, W.J.	8	1278
Jin, S., Nonlinear velocity inversion by a two-step Monte Carlo method	4	577
Jizba, D., see Mavko, G.	1	87
Johnson, D.T., Understanding air-gun bubble behavior	11	1729
Johnson, P.A., see Beresvev, I.A.	6	1000
Johnston, D., see Nelson, P.H.	12	1827
Juhlin, C., see Riahi, M.A. (Short Note)	5	844
Kanasewich, E.R., see Phadke, S.	4	591
Kaila, K.L., see Sain, K.	11	1735
Kapotas, S., see Phadke, S.	4	591
Kennedy, W.D., see Herrick, D.C.	6	918
Kerner, C., Scattering attenuation in sediments modeled by ARMA processes—Validation of simple Q models	12	1813
Khesin, B.E., Near-surface thermal prospecting: Review of processing and interpretation	5	744
Kim, J.S., Imaging of reflection seismic energy for mapping shallow fracture zones in crystalline rocks	5	753
Kirchhoff migration using eikonal equation traveltimes, S.H. Gray and W.P. May	5	810
Kosloff, D., see Tessmer, E.	3	464
Krail, P.M., Measurements of cable shape in a cross current (Short Note)	7	1156
Krebes, E.S., Standard finite-difference scheme for the time-domain computation of anelastic wavefields	2	290
Kurkjian, A.L., Finite-difference and frequency-wavenumber modeling of seismic monopole sources and receivers in fluid-filled boreholes	7	1053
Kuru, M., see Yamamoto, T.	10	1530
Laboratory velocities and attenuation of P-waves in limestones during freeze-thaw cycles, J.-M. Remy, M. Bellanger, and F. Homand-Etienne	2	245
Labson, V.F., see Stewart, D.C.	8	1201
Laidlaw, W.G., see Wilson, W.G.	5	766
Lambourne, A., see Hatherly, P.J.	1	156
Landro, M., Source signature determination from ministreamer data	8	1261
Landrum, R.A., Polarity convention for vibratory source and recording systems (Special Report)	2	315
Langhammer, J., see Landro, M.	8	1261
Large-explosive source, wide-recording aperture, seismic profiling on the Columbia Plateau,		

	Issue	Page
Washington, C.M. Jarchow, R.D. Catchings, and W.J. Lutter	2	259
Larner, K., see Alkhalifah	9	1405
Lattice filter in ground-roll suppression, R. Saatcilar and N. Canitez	4	623
Lazaratos, S.K., see Rector, J.W. III	1	27
Leveille, J.P., Static delays in acoustic logging	3	362
Leveling total-field aeromagnetic data with measured horizontal gradients, J.B. Nelson (Short Note)	7	1166
Levey, R.A., see Hardage, B.A.	11	1650
Levin, F.K., Reflection point behavior in transversely isotropic solids	2	309
Levitt, P.R., see Fatti, J.L.	9	1362
Lewis, R.D., see Sparlin, M.A.	7	1092
Li, Y., see Oldenburg, D.W.	9	1327
Linear and parabolic τ-p transforms revisited, B. Zhou and S.A. Greenhalgh	7	1133
Linearization of the eikonal equation, D.F. Aldridge (Short Note)	10	1631
Linville, A.F., Single-channel digital filter design for seismic applications	10	1584
Liu, C., see Zhang, Y.-C.	9	1320
Lodha, G., see Kim, J.S.	5	753
Looking ahead with vertical seismic profiles, M.A. Payne	8	1182
Low and high frequency radiation from seismic sources in cased boreholes, R.L. Gibson, Jr. and C. Peng	11	1780
Lutter, W.J., see Jarchow, C.M.	2	259
Lutter, W.J., Image of the Columbia Plateau from inversion of high-resolution seismic data	8	1278
MacBeth, C., Interpreting data matrix asymmetry in near-offset, shear-wave VSP data	2	176
Madariaga, R., see Jin, S.	4	577
Magnier, S.-A., Finite differences on minimal grids	9	1435
Marion, D., Scale effects on velocity dispersion: From ray to effective-medium theories in stratified media	10	1613
Mavko, G., Estimating seismic velocities at ultrasonic frequencies in partially saturated rocks	2	252
Mavko, G., Relation between seismic P- and S-wave velocity dispersion in saturated rocks	1	87
Mavko, G., see Akbar, N	8	1222
Mavko, G., see Marion, D.	10	1613
Mavko, G., see Mukerji, T.	2	233
May, W.P., see Gray, S.H.	5	810
McAfferty, A.E., see de Miranda	5	733
McBride, J.H., On the "wraparound" multiple problem of recording seismic reflections in deep water (Short Note)	7	1160
McCann, C., see Peacock, S.	9	1342
McDonald, J.A., see Chang, C.H.	3	484
McMechan, G.A., see Chang, W.-F.	4	597
McMechan, G.A., see Hildebrand, S.T.	5	782
McMechan, G.A., see Hildebrand, S.T.	5	789
McMechan, G.A., see Zhang, J.	10	1620
Meadows, M.A., Seismic detection of a hydraulic fracture from shear-wave VSP data at Lost Hills Field, California	1	11
Meadows, M.A., see De, G.S.	10	1512
Measurements of cable shape in a cross current, P.M. Krail (Short Note)	7	1156
Mendonça, C.A., Equivalent data concept applied to the interpolation of potential-field data	5	722
Mercer, T.B., see Sprunt, E.A.	5	707
Michelena, R.J., Elastic constants of transversely isotropic media from constrained aperture traveltimes	4	658
Migration error in transversely isotropic media, T. Alkhalifah and K. Larner	9	1405
Migration of P-wave reflection data in transversely isotropic media, S. Phadke, S. Kapotas, N. Dai, and E.R. Kanasewich	4	591
Migration of shallow seismic reflection data, R.A. Black, D.W. Steeples, and R.D. Miller	3	402
Migration using the shortest-path method, T.J. Moser	7	1110
Miller, D., see Haldorsen, J.	10	1500
Miller, R.D., Field comparison of shallow P-wave seismic sources near Houston, Texas	11	1713
Miller, R.D., see Black, R.A.	3	402
Minimum entropy deconvolution with frequency-domain constraints, M.D. Sacchi, D.R. Velis, and A.H. Cominguez	6	938
Mittet, R., see Amundsen, L.	4	500
Mittet, R., Implementation of the Kirchhoff integral for elastic waves in staggered-grid modeling schemes	12	1894
Modeling of streaming potential responses caused by oil well pumping, B. Wurmstich and F.D. Morgan	1	46
Modeling seismic waves in TIM, P. Yan and Q. He	11	1745
Mohan, N.L., Note on 2-D Hartley transform (Short Note)	7	1150
Moon, W.M., see Kim, J.S.	5	753
Mora, P., see Magnier, S.-A.	9	1435
Morgan, F.D., see Wurmstich, B.	1	46
Moriya, H., Precise source location of AE doublets by spectral matrix analysis of triaxial hodogram	1	36
Morrison, H.F., see Schenkel, C.J.	7	1072
Moser, T.J., Migration using the shortest-path method	7	1110
Mukerji, T., Pore fluid effects on seismic velocity in anisotropic rocks	2	233
Mukerji, T., see Marion, D.	10	1613
Multichannel Weiner deconvolution of vertical seismic profiles, J. Haldorsen, D. Miller, and J. Walsh	10	1500
Multidomain analysis and wavefield separation of cross-well seismic data, J.W. Rector III, S.K. Lazaratos, J.M. Harris, and M. Van Schaack	1	27

	Issue	Page
Multiple logging in a formation with stress-relief induced anisotropy, L. Renlie	12	1806
Murray, E.H., Jr. see Whitcombe, D.N.	10	1551
Musgrove, F.W., Time-variant statics corrections during interpretation	3	474
Nagano, K., see Moriya, H.	1	36
Near-surface thermal prospecting: Review of processing and interpretation, B.E. Khesin and L.V. Eppelbaum	5	744
Nekut, A.G., Anisotropy induction logging	3	345
Nekut, A.G., Electromagnetic ray-trace tomography	3	371
Nelson, P.H., Geophysical and geochemical logs from a copper oxide deposit, Santa Cruz project, Casa Grande, Arizona	12	1827
Nelson, J.B., Leveling total-field aeromagnetic data with measured horizontal gradients (Short Note)	7	1166
Ness, G.E., see Garcia-Abdeslem, J.	3	391
Nerf, R.B., Jr., see Leveille, J.P.	3	362

New Publications received

2 331 7 1178
5 856 8 1310
6 1024 10 1638

Newman, G.A., Study of downhole electromagnetic sources for mapping enhanced oil recovery processes	4	534
Niitsuma, H., see Moriya, H.	1	36
Nolen-Hoeksema, see Mavko, G.	2	252
Nolen-Hoeksema, R., see Dvorkin, J.	3	428
Nonhyperbolic reflection moveout in anisotropic media, I. Tsvankin and L. Thomsen	8	1290
Nonlinear velocity inversion by a two-step Monte Carlo method, S. Jin and R. Madariaga	4	577
Nonuniqueness of velocity determination for one type of layered model (Short Note), V. Sorin	1	161
Norris, A.N., see Sinha, B.K.	7	1037
Note on 2-D Hartley transform, N.L. Mohan and L. Anand Babu (Short Note)	7	1150
Nunns, A.G., see Bishop, T.N.	6	946
Nur, A., see Dvorkin, J.	3	428
Nur, A., see Akbar, N	8	1222
Nye, T., see Yamamoto, T.	10	1530
Obtaining smooth solutions to large, linear, inverse problems, J.C. VanDecar and R. Snieder	5	818
O'Leary, P., see Zahradnik, J.	6	928
Oldenburg, D.W., Inversion of induced polarization data	9	1327
On a nonlinear autoregressive method applied to geophysical signals, M. Bracalari and E. Salusti	8	1270
On the influence of 3-D structures in the interpretation of transient electromagnetic sounding data, M. Goldman, L. Tabarovsky, and M. Rabinovich	6	889
On the "wraparound" multiple problem of recording seismic reflections in deep water, J.H. McBride, R.W. Hobbs, T.J. Henstock, and R.S. White (Short Note)	7	1160
1-D seismic inversion of dual wavefield data: Part I, Nonuniqueness and stability, S.T. Hildebrand and G.A. McMechan	5	782
1-D seismic inversion of dual wavefield data: Part II, A Gulf of Mexico example, S.T. Hildebrand and G.A. McMechan	5	789
Pan, G.-S., Integrated target-oriented prestack elastic waveform inversion: Sensitivity, calibration, and application	9	1392

Papers from other journals

1 168 8 1314
2 328
7 1175

Pawlowski, R.S., Green's equivalent-layer concept in gravity band-pass filter design	1	69
Payne, M.A., Looking ahead with vertical seismic profiles	8	1182
Peacock, S., Experimental measurements of seismic attenuation in microfractured sedimentary rock	9	1342
Pendleton, V., see Hardage, B.A.	11	1650
Peng, C., see Gibson, R.L. Jr.	11	1780
Perelberg, A.I., Applications of seismic polarization analysis	1	119
Phadke, S., Migration of *P*-wave reflection data in transversely isotropic media	4	591
Phillips, W.S., see, Block, L.V.	1	102
Physical model of shear-wave propagation in a transversely isotropic solid (Short Note), C.H. Chang, G.H.F. Gardner, and J.A. McDonald	3	484
Podio, A.L., see Tutuncu, A.N.	1	77
Polarity convention for vibratory source and recording systems (Special Report), R.A. Landrum, R.A. Brook, and J.J. Sallas	2	315
Pore fluid effects on seismic velocity in anisotropic rocks, T. Mukerji and G. Mavko	2	233
Porosity, permeability, shear strength: Crosswell tomography below an iron foundry, T. Yamamoto, T. Nye, and M. Kuru	10	1530
Potential-field sounding using Euler's homogeneity equation and Zidarov bubbling, L. Cordell	6	902
Precise source location of AE doublets by spectral matrix analysis of triaxial hodogram, H. Moriya, K. Nagano, and H. Niitsuma	1	36
Predicting lithology and transport properties from acoustic velocities based on petrophysical classification of siliciclastics, L. Vernik	3	420
Prestack depth migration by means of controlled illumination, W.E.A. Rietveld and A.J. Berkhout	5	801
Propagator matrix related to the Kirchhoff-Helmholtz integral in inverse wavefield extrapolation, L. Amundsen	12	1902
Pullan, S.E., see Miller, R.D.	11	1713

	Issue	Page
Pulse distortion in depth migration, M. Tygel, J. Schleicher, and P. Hubral	10	1561
Qian, W., Electromagnetic response of a discretely grounded circuit: An integral equation solution	11	1680
Quiroga-Goode, G., see Krebes, E.S.	2	290
Rabinovich, M., see Goldman, M.	6	889
Radiation from seismic sources in cased and cemented boreholes, R.L. Gibson, Jr.	4	518
Ray, M.P., see Thore, P.D.	2	297
Reconnaissance geologic mapping of a portion of the rain-forest–covered Guiana Shield, Northwestern Brazil, using SIR-B and digital aeromagnetic data, F.P. de Miranda, A.E. McCafferty, and J.V. Taranik	5	733
Rector, J.W. III, Characterization of resolution and uniqueness in crosswell direct arrival traveltime tomography using the Fourier projection slice theoram	11	1642
Rector, J.W. III, Multidomain analysis and wavefield separation of crosswell seismic data	1	27
Reilly, J.M., Wireline shear and AVO modeling: Application to AVO investigations of the Tertiary, U.K. Central North Sea	8	1249
Reflection point behavior in transversely isotropic solids, F.K. Levin	2	309
Reitan, A., see Amundsen, L.	12	1920
Relation between seismic *P*- and *S*-wave velocity dispersion in saturated rocks, G. Mavko and D. Jizba	1	87
Remote sensing of seismic vibrations by laser Doppler interferometry, A.J. Berni	12	1856
Remy, J.-M., Laboratory velocities and attenuation of *P*-waves in limestones during freeze-thaw cycles	2	245
Renlie, L., Multiple logging in a formation with stress-relief induced anisotropy	12	1806
Residual statics estimation using the genetic algorithm, W.G. Wilson, W.G. Laidlaw, and K. Vasudevan	5	766
Reviews		
Acadian Orogeny: Recent Studies in New England, Maritime Canada, and the Autochthonous Foreland. David C. Roy and James W. Skehan, Editors. Review by Christopher Kendall	1	165
Applied Geophysics in Hydrogeological and Engineering Practice, W.E. Kelly and S. Mares, Editors. Review by Lawrence M. Gochioco	2	324
Carbonate Concepts from the Maldives, Indian Ocean, AAPG Studied in Geology #34, E.G. Purdy and G.T. Bertram. Review by Christopher Kendall	5	853
Chemical Thermodynamics for Earth Scientists, Philip Fletcher. Review by Michael D. McCormack	4	686
Codilleran Orogen: Conterminous U.S., B.C. Burchfiel, P.W. Lipman, and M.L. Zoback, editors. Review by Christopher Kendall	2	323
Computers and Geology, 25 Years of Progress, John C. Davis, editor. Review by Christopher Kendall	8	1312
Continent Revealed: The European Geotraverse, Derek Blundell, Roy Freeman, and Stephan Mueller, editors. Review by Christopher Kendall	8	1312
Development Geology Reference Manual, AAPG Methods in Exploration Series No. 10, D. Morton-Thompson and A.M. Woods. Review by Christopher Kendall	6	1018
Essence of Chaos, E.N. Lorenz. Review by Ian Lerche	9	1461
Flow and Contaminant Transport in Fractured Rocks, J. Bear, C.-F. Tsang, and G. de Marsily, Editors. Review by Christopher Kendall	3	492
Geological and Geophysical Evidence for Deep Subduction of Continental Crust Beneath the Pamir, V.S. Burtman and P. Molnar. Review by A. Ewan Campbell.	4	685
Geological Evolution of the Red Sea, Robert G. Coleman. Review by Christopher Kendall	3	491
Geological Methods in Geophysical Exploration, Michael S. Zhdanov and George V. Keller. Review by James R. Wait	10	1634
Geological Report for the Gulf of Alaska Planning Area, D.E. Risley, et al. Ronald F. Turner, Editor. Review by Christopher Kendall	2	327
Geology of Multi-ring Impact Basins: The Mooon and Other Planets, Paul D. Spudis. Review by Christopher Kendall	11	1788
Geology of South Australia: Volume 1, The Precambrian, J.F. Drexel, W.V. Preiss, and A.J. Parker, editors. Review by Christopher Kendall	8	1313
Geology of the Guiana Shield, A.K. Gibbs and C.N. Barron, Editors. Review by Christopher Kendall	1	166
Geophysical Field Theory and Method, Part A, Alexander A. Kaufman. Review by John S. Sumner	1	166
Geophysical Fluid Dynamics, 2nd Edition, Joseph Pedlosky. Review by William R. Green	7	1174
Geophysical Methods in Geology, P.V. Sharma. Reviewed by A. Ewan Campbell	12	1928
Geostatistical Software Library and User's Guide, Clayton V. Deutsch and Andre G. Journel. Review by Christopher Kendall	7	1173
GPS: Theory and Practice, 2nd Edition, Bernhard Hofmann-Wellenhof, Herbert Lichtenegger, and James Collins. Review by Doo Jung Jin	2	323
Gravity Experiments in the Laboratory, Y.T. Chen and Alan Cook. Review by William R. Green	5	854
Handbook of Geophysical Exploration at Sea,		

	Issue	Page
2nd Edition, Hydrocarbons, Richard A. Geyer. Review by William Harbert	4	685
Handbook of Geophysical Exploration at Sea, 2nd Edition, Hard Minerals, Richard A. Geyer. Review by William Harbert	4	685
History of the Earth, John J.W. Rogers. Review by Christopher Kendall	11	1788
Introduction to Lattice Dynamics, Cambridge Topics in Mineral Physics and Chemistry 4, M.T. Dove. Review by Michael D. McCormack	5	854
Introduction to Mining Seismology, Volume 55, Slawomir Jerzy Gibowicz and Andrzej Kijko. Review by William Green	11	1789
Inverse Methods in Physical Oceanography, A.F. Bennet. Review by Berend C. Scheffers	10	1634
Laramide Basement Deformation in the Rocky Mountain Foreland of the Western United States, AAPG Special Paper 280, C.J. Schmidt, R.B. Chase, and E.A. Erslev. Review by Christopher Kendall	6	1019
Mathematical Methods for Geo-electromagnetic Induction, J.T. Weaver. Review by James R. Wait	11	1787
McGraw-Hill Dictionary of Scientific and Technical Terms, 5th Edition, S.P. Parker, Editor. Review by Robert Sheriff	11	1787
Mineralogical Applications of Crystal Field Theory, 2nd Edition, Roger G. Burns. Review by Michael D. McCormack	7	1173
Mississippian Oolites and Mondern Analogs, AAPG Studies in Geology #35, B.D. Keith and C.W. Zuppman. Review by Christopher Kendall	6	1019
Ocean Optics, Richard W. Spinard, Kendall L. Carder, Mary Jane Perry. Reviewed by A. Ewan Campbell	12	1927
Pattern-Recognition Transforms, P.S. Moharir. Review by William R. Green	5	855
Recent Evolution and Seismicity of the Mediterranean Region, E. Boschi, E. Mantovani, and A. Morelli. Review by A. Ewan Campbell	5	855
Remote Sensing and Geographic Information Systems--Geological Mapping, Mineral Explortion, and Mining, Christopher A. Legg. Review by A. Ewan Campbell	10	1633
Reservoir Seismology, M.R. Gadallah. Review by Robert Sheriff	9	1462
Ruptures of Major Earthquakes and Active Deformation in Mongolia and its Surroundings, I. Baljinnyam, et al. Review by Christopher Kendall	2	325
Seismic Coal Exploration Part B: In-Seam Seismics, L. Dresen and H. Ruter. Review by William R. Green	9	1461
Source Rocks in a Sequence Stratigraphic Framework, AAPG Studies in Geology #37, B.J. Katz and L.M. Pratt. Review by Christopher Kendall	6	1020
Southern Lesser Antilles Arc Platform: Pre-late Miocene Stratigraphy, Structure, and Tectonic Evolution, R.C. Speed, et al. Review by Christopher Kendall	2	325
Spectral Analysis for Physical Applications: Multi-taper and Conventional Univariate Techniques, D.W. Percival and A.T. Walden. Review by Ian Lerche	4	687
Structural Analysis and Synthesis: A Laboratory Course in Structural Geology, Stephen M. Rowland and Ernest M. Duebendorfer, Editors. Reviewed by Christopher Kendall	12	1927
Structural Traps VIII, Treatise of Petroleum Geology, Atlas of Oil and Gas Fields, compiled by N.H. Foster and E.A. Beaumont. Review by Christopher Kendall	6	1021
Stress regimes in the lithosphere, Terry Engelder. Review by Ian Lerche	1	166
Tales of the Earth: Paroxysms and Perturbations of the Blue Planet, Charles Officer and Jake Page. Review by R.R. Sheriff	3	491
Tancheng-Lujiang Wrench Fault System, Xu Jiawei. Review by A. Ewan Campbell	10	1633
Thermal Evolution of the Tertiary Shimanto Belt, Southwest Japan: An Example of Ridge-Trench Interaction, Michael B. Underwood, Editor. Review by Christopher Kendall	1	165
Tsunamis in the World, Stefano Tinti. Review by Christopher Kendall.	2	326
Turbulence: Perspectives on Flow and Sediment Transport, N.J. Clifford, J.R. French, and J. Hardisty. Review by Christopher Kendall	7	1174

Rietveld, W.E.A., Prestack depth migration by means of controlled illumination	5	801
Riahi, M.A., 3-D interpretation of reflected arrival times by finite-difference techniques (Short Note)	5	844
Ristow, D., Fourier finite-difference migration	12	1882
Robertsson, J.O.A., Viscoelastic finite-difference modeling	9	1444
Rommel, B.E., Approximate polarization of plane waves in a medium having weak transverse isotrophy	10	1605
Rosenbaus, J.H., Synthetic seismograms for a long spread of seismometer stations	3	450
Ross, C.P., Seismic offset balancing	1	93
Ross, W.S., Velocity-depth ambiguity in seimic traveltime data	5	830
Rowbotham, P.S., Wavefield separation by 3-D filtering in crosshole seismic reflection processing	7	1065
Roy, K.K., Borehole dc resistivity response for a transitional invaded zone	12	1796
Rühl, T., see Ristow, D.	12	1882
Saatcilar, R., Lattice filter in ground-roll suppression	4	623

	Issue	Page
Sacchi, M.D., Minimum entropy deconvolution with frequency-domain constraints	6	938
Sain, K., Inversion of wide-angle seismic reflection times with damped least squares	11	1735
St. Aubin, L.A. see Whitcombe, D.N.	10	1551
Sallas, J.J., see Landrum, R.A.	2	315
Salusti, E., see Bracalari, M.	8	1270
Sasaki, Y., 3-D resistivity inversion using the finite-element method	12	1839
Saunders, D.F., Tests of Australian aerial radiometric data for use in petroleum reconnaissance	3	411
Scale effects on velocity dispersion: From ray to effective-medium theories in stratified media, D. Marion, T. Mukerji, and G. Mavko	10	1613
Scattering attenuation in sediments modeled by ARMA processes—Validation of simple *Q* models, C. Kerner and P.E. Harris	12	1813
Schenkel, C.J., Electrical resistivity measurement through metal casing	7	1072
Schleicher, J., see Tygel, M.	10	1561
Schmidt, H., see Kurkjian, A.L.	7	1053
Schwartz, L.M., see Hornby, B.E.	10	1570
Seismic detection of a hydraulic fracture from shear-wave VSP data at Lost Hills Field, California, M.A. Meadows and D.F. Winterstein	1	11
Seismic imaging using microearthquakes induced by hydraulic fracturing, L.V. Block, C.H. Cheng, M.C. Fehler, and W.S. Phillips	1	102
Seismic offset balancing, C.P. Ross and P.L. Beale	1	93
Seismic signatures of reservoir transport properties and pore fluid distribution, N. Akbar, G. Mavko, A. Nur, and J. Dvorkin	8	1222
Separation and enhancement of split *S*-waves on multicomponent shot records from the BIRPS WISPA experiment, M. Boulfoul and D.R. Watts	1	131
Serzu, M., see Kim, J.S.	5	753
Shallow subsurface mapping by electromagnetic sounding in the 300 kHz to 30 MHz range: Model studies and prototype system assessment, D.C. Stewart, W.L. Anderson, T.P. Grover, and V.F. Labson	8	1201
Shapiro, S.A., Generalized O'Doherty-Anstey formula for waves in finely layered media	11	1750
Sharma, M.M., see Tutuncu, A.N.	1	77
Sharma, M.M., see Garrouch, A.A.	6	909
Shen, L.C., see Zhang, Y.-C.	9	1320

Short Notes

Do traveltimes in pulse-transmission experiments yield anisotropic group or phase velocities?, J. Dellinger and L. Vernik	11	1774
Leveling total-field aeromagnetic data with measured horizontal gradients, J.B. Nelson	7	1166
Linearization of the eikonal equation, D.F. Aldridge	10	1631
Low and high frequency radiation from seismic sources in cased boreholes (Short Note), R.L. Gibson, Jr. and C. Peng	11	1780
Measurements of cable shape in a cross current, P.M. Krail	7	1156
Note on 2-D Hartley transform, N.L. Mohan and L. Anand Babu	7	1050
Nonuniqueness of velocity determination for one type of layered model, V. Sorin	1	161
On the "wraparound" multiple problem of recording seismic reflections in deep water, J.H. McBride, R.W. Hobbs, T.J. Henstock, and R.S. White	7	1160
Physical model of shear-wave propagation in a transversely isotropic solid, C.H. Chang, G.H.F. Gardner, and J.A. McDonald	3	484
Shot gather DMO in the double log domain, H. Ganser	8	1305
Simple approach to calculating refraction statics corrections, P.J. Hatherly, M. Urosevic, A. Lambourne, and B.J. Evans	1	156
Simple derivation of Cordell's stripping filter, A. Aina	3	488
3-D interpretation of reflected arrival times by finite-difference techniques, M.A. Riahi and C. Juhlin	5	844
Transformation from 2-D to 3-D wave propagation for horizontally layered media, L. Amundsen and A. Reitan	12	1920

Shot gather DMO in the double log domain, H. Ganser (Short Note)	8	1305
Siggins, A.F., see Turner, G.	8	1192
Silva, J.B.C., see Barbosa, V.C.F.	1	57
Silva, J.B.C., see Buoro, A.B.	3	336
Silva, J.B.C., see Mendonça, C.A.	5	722
Silva, J.B.C., see Fraiha, S.G.C.	7	1083
Simmons, J., see Hardage, B.A.	11	1650
Simple approach to calculating refraction statics corrections (Short Note), P.J. Hatherly, M. Urosevic, A. Lambourne, and B.J. Evans	1	156
Simple derivation of Cordell's stripping filter (Short Note), A. Aina	3	488
Simmons, J.L., Jr., AVO modeling and the locally converted shear wave	8	1237
Single-channel digital filter design for seismic applications, A.F. Linville	10	1584
Sinha, B.K., Borehole flexural modes in anisotropic formations	7	1037
Slowness adaptive *f-k* filtering of prestack seismic data, G. Duncan and G. Beresford	1	140
Smith, G.C., see Fatti, J.L.	9	1362
Smith, R.S., Automatic technique for presentation of coincident-loop, impulse-response, transient, electromagnetic data	10	1542
Smith, S.W., see Castagna, J.P.	12	1849
Sneider, R., see VanDecar, J.C.	5	818
Sochacki, J.S., see Zahradnik, J.	6	928

	Issue	Page
Sollie, R., see Landro, M.	8	1261
Some influences of stratigraphy and structure on reservoir stress orientation, M.S. Bruno and D.F. Winterstein	6	954
Soonawala, N., see Kim, J.S.	5	753
Sorensen, K.I., Fields from a finite electrical dipole—A new computational approach	6	864
Sorin, V., Nonuniqueness of velocity determination for one type of layered model (Short Note)	1	161
Sothcott, J., see Peacock, S.	9	1342
Source signature determination from ministreamer data, M. Landro, J. Langhammer, R. Sollie, L. Amundsen, and E. Berg	8	1261
Spagnolini, U., Time-domain estimation of MT impedance tensor	5	712
Sparlin, M.A., Interpretation of the magnetic anomaly over the Omaha Oil Field, Gallatin County, Illinois	7	1092
Special Reports		
Digital field tape format standards—SEG-D, Revision 1, SEG Subcommittee on Field Tape Standards	4	668
Polarity convention for vibratory source and recording systems, R.A. Landrum, R.A. Brook, and J.J. Sallas	2	315
Spencer, J.W., Jr., Frame moduli of unconsolidated sands and sandstones	9	1352
Sprunt, E.A., Steaming potential from multiphase flow	5	707
Squires, L.J., Borehole transmission tomography for velocity plus statics	7	1028
Squirt-flow mechanism: Macroscopic description, J. Dvorkin, R. Nolen-Hoeksema, and A. Nur	3	428
Standard finite-difference scheme for the time-domain computation of anelastic wavefields, E.S. Krebes and G. Quiroga-Goode	2	290
Static delays in acoustic logging, J.P. Leveille and R.B. Nerf, Jr.	3	362
Steeples, D.W., see Miller, R.D.	11	1713
Streaming potential from multiphase flow, E.A. Sprunt, T.B. Mercer, and N.F. Djabbarah	5	707
Steeples, D.W., see R.A. Black	3	402
Stewart, D.C., Shallow subsurface mapping by electromagnetic sounding in the 300 kHz to 30 MHz range: Model studies and prototype system assessment	8	1201
Stoffa, P.L., see Faria, E.L.	2	272
Stoffa, P.L., see Faria, E.L.	2	282
Stoffa, P.L., see Squires, L.J.	7	1028
Study of downhole electromagnetic sources for mapping enhanced oil recovery processes, G.A. Newman	4	534
Strauss, P.J., see Fatti, J.L.	9	1362
Subsurface radar propagation deconvolution, G. Turner	2	215
Sun, J., Geometrical ray theory: Edge-diffracted rays and their traveltimes (second-order approximation of the traveltimes)	1	148
Symes, W.W., see Robertsson, J.O.A.	9	1444
Synthetic seismograms for a long spread of seismometer stations, J.H. Rosenbaus	3	450
Systematics of time-migration errors, J.L. Black and M.A. Brzostowski	9	1419
Swift, R., see Cooper, N.J.	2	202
Tarantola, A., see Magnier, S.-A.	9	1435
Tessmer, E., 3-D elastic modeling with surface topography by Chebychev spectral method	3	464
Tests of Australian aerial radiometric data for use in petroleum reconnaissance, D.F. Saunders, J.F. Branch, and C.K. Thompson	3	411
Time-domain estimation of MT impedance tensor, U. Spagnolini	5	712
Tabarovsky, L., see Goldman, M.	6	889
Tabbagh, A., see Andrieux, P.	11	1695
Taner, M.T., see Yilmaz, O.	6	973
Taranik, J.V., see de Miranda	5	733
Theory of normal moveout, R.J. Castle	6	983
This Month in Geophysics, Bob A. Hardage, Editor		
1 15 2 175 3 335 4 499 5 693 6 863 7 1027 8 1181 9 1319 10 1491 11 1641 12 1795		
Thompson, C.K., see Saunders, D.F.	3	411
Thompson, D.D., see, Spencer, J.W., Jr.	9	1352
Thomsen, L., see Tsvankin, I.	8	1290
Thore, P.D., Three-parameter equation: An efficient tool to enhance the stack	2	297
3-D elastic modeling with surface topography by Chebychev spectral method, E. Tessmer and D. Kosloff	3	464
3-D elastic prestack, reverse-time depth migration, W.-F. Chang and G.A. McMechan	4	597
3-D interpretation of reflected arrival times by finite-difference techniques, M.A. Riahi and C. Juhlin (Short Note)	5	844
3-D resistivity inversion using the finite-element method, Y. Sasaki	12	1839
3-D seismic case history evaluating fluvially deposited thin-bed reservoirs in a gas-producing property, B.A. Hardage, R.A. Levey, V. Pendleton, J. Simmons, and R. Edson	11	1650
3-D transmission tomography using wide aperture data for velocity estimation of irregular salt bodies, J. Zhang and G.A. McMechan	10	1620
Three-parameter equation: An efficient tool to enhance the stack, P.D. Thore, E. de Bazelaire, and M.P. Ray	2	297
Thurston, J.B., Automated source-edge location with a new variable pass-band, horizontal-gradient operator	4	546
Tieman, H.J., Investigating the velocity-depth ambiguity of reflection traveltimes	11	1763

	Issue	Page
Time-variant statics corrections during interpretation, F.W. Musgrove	3	474
Transformation from 2-D to 3-D wave propagation for horizontally layered media (Short Note), L. Amundsen and A. Reitan	12	1920
Traveltime computation in transversely isotropic media, E.L. Faria and P.L. Stoffa	2	272
Tsvankin, I., Nonhyperbolic reflection moveout in anisotropic media	8	1290
Tura, M.A.C., Crosswell seismic reflection/diffraction tomography: A reservoir characterization application	3	351
Turner, G., Subsurface radar propagation deconvolution	2	215
Turner, G., Constant Q attenuation of subsurface radar pulse	8	1192
Tutuncu, A.N., Experimental investigation of factors influencing compressional- and shear-wave velocities and attenuations in tight gas sandstones	1	77
Tygel, M., Pulse distortion in depth migration	10	1561
Understanding air-gun bubble behavior, D.T. Johnson	11	1729
Urosevic, M., see Hatherly, P.J.	1	156
Ursin, B., see Zhao, H.	12	1868
Vail, P.J., see Fatti, J.L.	9	1362
VanDecar, J.C., Obtaining smooth solutions to large, linear, inverse problems	5	818
Van Schaack, M., see Rector, J.W. III	1	27
Vasudevan, K., see Wilson, W.G.	5	766
Velis, D.R., see Sacchi, M.D.	6	938
Velocity-depth ambiguity in seimic traveltime data, W.S. Ross	5	830
Vernik, L., Hydrocarbon-generation-induced microcracking of source rocks	4	555
Vernik, L., Predicting lithology and transport properties from acoustic velocities based on petrophysical classification of siliciclastics	3	420
Vernik, L., see Dellinger, J.	11	1774
Viscoelastic finite-difference modeling, J.O.A. Robertsson, J.O. Blanch, and W.W. Symes	9	1444
von Seggern, D., Depth-imaging resolution of 3-D seismic recording patterns	4	564
Walsh, J., see Haldorsen, J.	10	1500
Washbourne, J., see Rector, J.W. III	11	1642
Watts, D.R., see Boulfoul, M.	1	131
Wave-equation extrapolation-based multiple attenuation: 2-D filtering in the f-k domain, B. Zhou and S.A. Greenhalgh	9	1377
Wave equation in generalized coordinates, J.M. Carcione	12	1911
Wavefield separation by 3-D filtering in crosshole seismic reflection processing, P.S. Rowbotham and N.R. Goulty	7	1065
Wavefronts in dissipative anisotropic media, J.M. Carcione	4	644
Whitcombe, D.N., Fast model building using demigration and single-step ray migration	3	439
Whitcombe, D.N., Application of map migration to 2-D migrated data	7	1121
Whitcombe, D.N., Application of 3-D depth migration to the development of an Alaskan offshore oil field	10	1551
White, J.E., see Kurkjian, A.L.	7	1053
White, P.A., Electrode arrays for measuring groundwater flow direction and velocity	2	192
White, R.S., see McBride, J.H. (Short Note)	7	1160
Wilson, W.G., Residual statics estimation using the genetic algorithm	5	766
Winterstein, D.F., see Bruno, M.S.	6	954
Winterstein, D.F., see De, G.S.	10	1512
Winterstein, D.F., see Meadows, M.A.	1	11
Wireline shear and AVO modeling: Application to AVO investigations of the Tertiary, U.K. Central North Sea, J.M. Reilly	8	1249
Withers, R., Case study of integrated hydrocarbon exploration through basalt	11	1666
Wu, X., Influence of steel casings on electromagnetic signals	3	378
Wurmstick, B., Modeling of streaming potential responses caused by oil well pumping	1	46
Yamamoto, T., Porosity, permeability, shear strength: Crosswell tomography below an iron foundry	10	1530
Yan, P. Modeling seismic waves in transversely isotropic media	11	1745
Yardley, G., see MacBeth, C.	2	176
Yilmaz, O., Discrete plane-wave decomposition by least-mean-square-error method	6	973
Young, C.Y., see Pan, G.-S.	9	1392
Zahradnik, J., Finite-difference schemes for elastic waves based on the integration approach	6	928
Zeng, X., see MacBeth, C.	2	176
Zhang, J., 3-D transmission tomography using wide aperture data for velocity estimation of irregular salt bodies	10	1620
Zhang, Y.-C., Inversion of induction logs based on maximum flatness, maximum oil, and minimum oil algorithms	9	1320
Zhang, Y.-X, Aeromagnetic annomalies and prospective oil traps in China	10	1492
Zhao, H., Frequency-wavenumber elastic inversions of marine seismic data	12	1868
Zhou, B., Linear and parabolic τ-p transforms revisited	7	1133
Zhou, B., Wave-equation extrapolation-based multiple attenuation: 2-D filtering in the f-k domain	9	1377
Zhou, H.-W., see Chen, G.	1	113
Zien, H., see Shapiro, S.A.	11	1750